



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

HUMAN EFFECTIVENESS STUDY HELPS IMPROVE USAF INFORMATION WARFARE FLIGHTS



A recently completed baseline study of US Air Force information warfare flights (IWF) highlights IWF issues and requirements and provides input to improve existing IWF procedures and requirements.



Air Force Research Laboratory
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Accomplishment

The Human Effectiveness Directorate conducted a baseline study to gather data to help the Air Combat Command, Air Intelligence Agency (AIA), and directorate researchers gain an understanding of IWF's missions, roles, and personnel. The study helped capture critical decisions, position-specific requirements, and internal/external coordinating agencies, and it included step-by-step procedures for many of the IWF positions.

The directorate used the data to aid the development of information warfare (IW)-related technologies for refining IW training requirements, standardizing IWF procedures, and creating criteria for the Air Force Inspection Agency's management reviews and inspections. The IWF data collection effort, including the task checklists, also received general officer-level praise and recognition.

Background

The data collection consisted of two phases conducted at five continental US and outside-continental US IWFs. Results of the study provided input to improve existing IW tactics, techniques, and procedures; operational requirements documents; and IW system requirements, specification, and design documents. Additionally, the task diagrams evolved into task checklists, providing focus and guidance and prompting action for information operations planners during contingencies and exercises.

Human Effectiveness
Support to the Warfighter

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-HE-22)